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'Solid Hydrocarbons of the Series C_nH_{2n+2} and Liquid Hydrocarbons of the Series C_nH_{2n} , in the Less Volatile Portions of Pennsylvania Petroleum': C. F. MABERY.

'Specific Heats and Heats of Volatilization of Hydrocarbons of the Series C_nH_{2n+2} , C_nH_{2n} , and C_nH_{2n-4} , in Pennsylvania, Texas, California and Japanese Petroleums': C. F. MABERY.

'Composition of Commercial Paraffine, Vaseline, and Solid and Pasty Mixtures of Hydrocarbons Collected in Oil Wells': C. F. MABERY.

'Composition and Properties of Asphalts from Different Petroleums': C. F. MABERY.

'The Sulphohalides of Lead': VICTOR LENHER.

'The Theory of Factor Weight in Gravimetric Analysis': C. A. LITTLE.

'On Positive and Negative Halogen Ions': JULIUS STIEGLITZ.

'The Quantitative Separation and Determination of Uranium': EDWARD F. KERN.

'The Discovery of Nitro-Glycerine in an Exhumed Body': G. G. Pond.

WILLIAM MCPHERSON,
Secretary.

*MEMBERSHIP OF THE AMERICAN
ASSOCIATION.*

THE following have completed their membership in the American Association for the Advancement of Science during the month of August:

Frank L. Abbott, Professor of Physical Sciences, State Normal School, Greeley, Colo.

Geo. E. Alexander, Chemist and Mining Engineer, 1736 Champa St., Denver, Colo.

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Miss Theodosia G. Ammons, Professor of Domestic Science, State Agricultural College, Ft. Collins, Colo.

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Francis N. Balch, Lawyer, 23 Court St., Boston, Mass.

George Bell, Mineralogist, 200 S. Washington Ave., Denver, Colo.

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Frank W. Blackmar, Professor of Sociology and Economics, University of Kansas, Lawrence, Kansas.

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Joseph H. Bowman, Electrical Engineer, Apartado 21, Cordoba, Mexico.

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SCIENTIFIC BOOKS.

A Laboratory Course in Plant Physiology, especially as a basis for ecology. By WILLIAM F. GANONG, Ph.D., Professor of Botany in Smith College. New York, Henry Holt and Company. 1901. Octavo, cloth. Pp. vi + 147.

Practical Text-book of Plant Physiology. By DANIEL TREMBLY MACDOUGAL, Ph.D., Director of the Laboratories of the New York Botanical Garden. With one hundred and fifty illustrations. New York, Longmans, Green and Co. 1901. Octavo, cloth. Pp. xiv + 352.

Professor Ganong's little book is a product of his laboratory, and therefore has the merit of practicality. The illustrations of apparatus (about thirty) are from photographs of the appliances actually used, and the text consists of descriptions of experiments which the author has repeatedly made. The book is in two parts, in the first of which the author discusses methods of study and the necessary equipment, while in the second is given an outline of a course of experiments in the laboratory on protoplasm, nutrition, growth, reproduction and irritability. The author says (p. 23), 'It goes without saying that a greenhouse and a laboratory are indispensable for a course in physiology,' and naturally gives a good deal of attention to the plans and equipment of both. These sections of the book will prove very helpful to those who are building up their facilities for physiological work. The experiments, of which nearly one hundred are specifically indicated, are selected with reference to their availability and practicability in an elementary course. The treatment here is such as to make investigators. The author does not ask numberless leading questions of the 'kindergarten order,' nor does he leave the student without any guide, but wisely follows a middle